

**WEST****Help      Logout      Interrupt****Main Menu    Search Form    Posting Counts    Show S Numbers    Edit S Numbers    Preferences    Cases****Search Results -**

<b>Terms</b>	<b>Documents</b>
L19 and ((branch adj polymer) or (side adj chain))	12

**Database:**

**Search:**

**Search History****DATE: Thursday, May 15, 2003** [Printable Copy](#) [Create Case](#)

Set Name Query  
side by side

Hit Count Set Name  
result set

*DB=USPT,PGPB,JPA,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L21</u>	L19 and ((branch adj polymer) or (side adj chain))	12	<u>L21</u>
<u>L20</u>	L19 and ((grafted adj fluoroalkyl) or (graft adj copolymer) or (copolymerizable adj monomer))	17	<u>L20</u>
<u>L19</u>	L18 and ((backbone adj polymer) or (trunk adj polymer) or (backbone adj chain) or (trunk adj chain))	39	<u>L19</u>
<u>L18</u>	L17 and (acrylate or methacrylate)	946	<u>L18</u>
<u>L17</u>	(reactive adj isocyanate adj group)	2366	<u>L17</u>
<u>L16</u>	(oil-repellent) or (oil-repellency)	2128	<u>L16</u>
<u>L15</u>	US20020189023A1	1	<u>L15</u>
<u>L14</u>	L13 and fluoroalkyl	6	<u>L14</u>
<u>L13</u>	L12 and grafted	889	<u>L13</u>
<u>L12</u>	((unsaturated adj monomer) and (isocyanate adj group)) or ((unsaturated adj monomer) and (amide adj group))	5070	<u>L12</u>
<u>L11</u>	L9 and ((branch adj polymer) or (side adj polymer))	6	<u>L11</u>
<u>L10</u>	L9 and fluoroalkyl	1	<u>L10</u>
<u>L9</u>	L8 and grafted	46	<u>L9</u>
<u>L8</u>	L1 and (macromonomer or backbone or oligomer or (trunk adj polymer) or (substract adj polymer))	173	<u>L8</u>
<u>L7</u>	L6 and L1	1	<u>L7</u>
<u>L6</u>	L5 and grafted	539	<u>L6</u>
<u>L5</u>	fluoroalkyl	15243	<u>L5</u>
<u>L4</u>	L3 and fluoroalkyl	0	<u>L4</u>
<u>L3</u>	L2 and grafted	5	<u>L3</u>
<u>L2</u>	L1 and macromonomer	17	<u>L2</u>
<u>L1</u>	vinyl adj isocyanate	539	<u>L1</u>

END OF SEARCH HISTORY

Set Name Query  
side by side

Hit Count Set Name  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L28</u>	3632391	15	<u>L28</u>
<u>L27</u>	L24 and ((525/\$)! .CCLS.)	92	<u>L27</u>
<u>L26</u>	L24 and fluoroalkyl	1	<u>L26</u>
<u>L25</u>	L24 and L16	0	<u>L25</u>
<u>L24</u>	L23 and ((side adj chain) or (branch adj chain) or (branch adj polymer adj chain) or (branch adj polymer) or (side adj chain adj polymer))	170	<u>L24</u>
<u>L23</u>	L22 and grafted	379	<u>L23</u>
<u>L22</u>	L12 and ((backbone adj polymer) or backbone)	1228	<u>L22</u>
<u>L21</u>	L19 and ((branch adj polymer) or (side adj chain))	12	<u>L21</u>
<u>L20</u>	L19 and ((grafted adj fluoroalkyl) or (graft adj copolymer) or (copolymerizable adj monomer))	17	<u>L20</u>
<u>L19</u>	L18 and ((backbone adj polymer) or (trunk adj polymer) or (backbone adj chain) or (trunk adj chain))	39	<u>L19</u>
<u>L18</u>	L17 and (acrylate or methacrylate)	946	<u>L18</u>
<u>L17</u>	(reactive adj isocyanate adj group)	2366	<u>L17</u>
<u>L16</u>	(oil-repellent) or (oil-repellency)	2128	<u>L16</u>
<u>L15</u>	US20020189023A1	1	<u>L15</u>
<u>L14</u>	L13 and fluoroalkyl	6	<u>L14</u>
<u>L13</u>	L12 and grafted	889	<u>L13</u>
<u>L12</u>	((unsaturated adj monomer) and (isocyanate adj group)) or ((unsaturated adj monomer) and (amide adj group))	5070	<u>L12</u>
<u>L11</u>	L9 and ((branch adj polymer) or (side adj polymer))	6	<u>L11</u>
<u>L10</u>	L9 and fluoroalkyl	1	<u>L10</u>
<u>L9</u>	L8 and grafted	46	<u>L9</u>
<u>L8</u>	L1 and (macromonomer or backbone or oligomer or (trunk adj polymer) or (substract adj polymer))	173	<u>L8</u>
<u>L7</u>	L6 and L1	1	<u>L7</u>
<u>L6</u>	L5 and grafted	539	<u>L6</u>
<u>L5</u>	fluoroalkyl	15243	<u>L5</u>
<u>L4</u>	L3 and fluoroalkyl	0	<u>L4</u>
<u>L3</u>	L2 and grafted	5	<u>L3</u>
<u>L2</u>	L1 and macromonomer	17	<u>L2</u>
<u>L1</u>	vinyl adj isocyanate	539	<u>L1</u>

END OF SEARCH HISTORY

## WEST

**Search Results - Record(s) 1 through 15 of 15 returned.**

1. Document ID: US 6492012 B1

L28: Entry 1 of 15

File: USPT

Dec 10, 2002

US-PAT-NO: 6492012

DOCUMENT-IDENTIFIER: US 6492012 B1

TITLE: Polymer penetrated porous substrates

DATE-ISSUED: December 10, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shah; Tilak M.	Cary	NC	27511	

US-CL-CURRENT: 428/304.4; 156/182, 428/306.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C	Draw. Desc
<input type="button" value="Image"/>											

2. Document ID: US 6300409 B1

L28: Entry 2 of 15

File: USPT

Oct 9, 2001

US-PAT-NO: 6300409

DOCUMENT-IDENTIFIER: US 6300409 B1

TITLE: Polymer compositions

DATE-ISSUED: October 9, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lau; Willie	Ambler	PA		
Finley; Maureen Joanne	Churchville	PA		
Williams; Martin Marion	Harrisburg	NC		
Morris; Hal Conley	Abington	PA		

US-CL-CURRENT: 524/555; 524/556, 524/560, 524/561, 524/831, 524/832, 524/833

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C	Draw. Desc
<input type="button" value="Image"/>											

3. Document ID: US 6191244 B1

L28: Entry 3 of 15

File: USPT

Feb 20, 2001

US-PAT-NO: 6191244

DOCUMENT-IDENTIFIER: US 6191244 B1

TITLE: Polymer compositions

DATE-ISSUED: February 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lau; Willie	Ambler	PA		
Finley; Maureen Joanne	Churchville	PA		
Williams; Martin Marion	Harrisburg	NC		
Morris; Hal Conley	Abington	PA		

US-CL-CURRENT: 526/328.5; 428/375, 428/378, 428/511, 442/152, 442/164, 442/83,  
526/303.1, 526/304, 526/318.4

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Draw. Desc</a>
<a href="#">Image</a>											

 4. Document ID: US 5856246 A

L28: Entry 4 of 15

File: USPT

Jan 5, 1999

US-PAT-NO: 5856246

DOCUMENT-IDENTIFIER: US 5856246 A

TITLE: Permanent hydrophobic and oleophotic modification for polymer surfaces and process of making same

DATE-ISSUED: January 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Witzko; Richard	83512 Wasserburg			DE
Burger; Wolfgang	81825 Munchen			DE
Petzold; Gudrun	01257 Dresden			DE
Lunkwitz; Klaus	01187 Dresden			DE
Buchhammer; Heide-Marie	01237 Dresden			DE

US-CL-CURRENT: 442/88; 428/375, 428/378, 428/409, 428/420, 442/89, 442/92, 8/115.56,  
8/115.65, 8/115.66, 8/181, 8/196

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Draw. Desc</a>
<a href="#">Image</a>											

 5. Document ID: US 5837370 A

L28: Entry 5 of 15

File: USPT

Nov 17, 1998

US-PAT-NO: 5837370

DOCUMENT-IDENTIFIER: US 5837370 A

TITLE: Fabrics of wool and/or polyester fibers

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Aneja; Arun Pal	Greenville	NC		

US-CL-CURRENT: 428/359; 428/397, 428/400, 428/401

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
<a href="#">Image</a>											

---

6. Document ID: US 5346726 A

L28: Entry 6 of 15

File: USPT

Sep 13, 1994

US-PAT-NO: 5346726

DOCUMENT-IDENTIFIER: US 5346726 A

TITLE: Maleic anhydride/vinyl or allyl ether polymer stain-resists

DATE-ISSUED: September 13, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pechhold; Engelbert	Chadds Ford	PA		

US-CL-CURRENT: 427/393.4; 8/115.62, 8/115.63

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
<a href="#">Image</a>											

---

7. Document ID: US 5296269 A

L28: Entry 7 of 15

File: USPT

Mar 22, 1994

US-PAT-NO: 5296269

DOCUMENT-IDENTIFIER: US 5296269 A

TITLE: Process for increasing the crease resistance of silk textiles

DATE-ISSUED: March 22, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yang; Yiqi	Urbana	IL		
Li; Shiqi	Urbana	IL		

US-CL-CURRENT: 427/393.2; 139/1R, 139/420R, 28/166, 427/381, 8/128.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
<a href="#">Image</a>											

---

8. Document ID: US 5175025 A

L28: Entry 8 of 15

File: USPT

Dec 29, 1992

US-PAT-NO: 5175025

DOCUMENT-IDENTIFIER: US 5175025 A

TITLE: Sizing agent for carbonizable fiber and a method for manufacturing carbon fiber with the use of the sizing agent

DATE-ISSUED: December 29, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asano; Hiroyoshi	Nagaokakyo-city, Kyoto			JP

US-CL-CURRENT: 427/227; 427/228, 427/385.5, 427/389.9, 427/421, 427/434.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
<a href="#">Image</a>											

---

9. Document ID: US 5143729 A

L28: Entry 9 of 15

File: USPT

Sep 1, 1992

US-PAT-NO: 5143729

DOCUMENT-IDENTIFIER: US 5143729 A

TITLE: Fade resistant water and soil repellent composition for fabric

DATE-ISSUED: September 1, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Peter B.	Blagdon Bristol			GB2

US-CL-CURRENT: 252/8.62; 252/8.61, 252/8.91, 424/402, 424/45, 427/385.5, 427/389.9,  
427/393.4, 524/336, 524/337, 524/338, 524/544, 524/545, 524/546, 524/560, 524/562,  
524/91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
<a href="#">Image</a>											

---

10. Document ID: US 5093155 A

L28: Entry 10 of 15

File: USPT

Mar 3, 1992

US-PAT-NO: 5093155

DOCUMENT-IDENTIFIER: US 5093155 A

**TITLE:** Process for sizing reinforcing fiber by applying sulfone compounds containing sulfonyl groups and sized reinforcing fibers obtained thereby

**DATE-ISSUED:** March 3, 1992

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Miyazaki; Makoto	Sakato			JP
Wakoh; Yoshio	Iruma			JP
Inoue; Hiroshi	Iruma			JP

**US-CL-CURRENT:** 427/177; 427/178, 427/366, 427/367, 427/375, 427/385.5, 427/388.4,  
427/388.5, 427/389.8, 427/392, 428/379

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>
<a href="#">Image</a>											

---

11. Document ID: US 4401688 A

L28: Entry 11 of 15

File: USPT

Aug 30, 1983

US-PAT-NO: 4401688

DOCUMENT-IDENTIFIER: US 4401688 A

**TITLE:** Imparting permanent press characteristics

**DATE-ISSUED:** August 30, 1983

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garnett; John L.	Longueville			AU
Schwarz; Thomas	Rose Bay			AU
Fletcher; Grant	Maroubra			AU

**US-CL-CURRENT:** 427/501; 427/370, 427/393.2, 427/504, 427/510, 427/513

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>
<a href="#">Image</a>											

---

12. Document ID: US 3950218 A

L28: Entry 12 of 15

File: USPT

Apr 13, 1976

US-PAT-NO: 3950218

DOCUMENT-IDENTIFIER: US 3950218 A

**\*\* See image for Certificate of Correction \*\***

**TITLE:** Method of manufacturing stabilized fluffy batts of fibers and resulting product therefrom

**DATE-ISSUED:** April 13, 1976

**INVENTOR-INFORMATION:**

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levesque; Yvon George	Montreal			CA

US-CL-CURRENT: 162/201, 162/183, 162/184, 264/121

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KWMC</a>	<a href="#">Drawn Desc</a>
<a href="#">Image</a>											

13. Document ID: US 3632391 A

L28: Entry 13 of 15

File: USPT

Jan 4, 1972

US-PAT-NO: 3632391

DOCUMENT-IDENTIFIER: US 3632391 A

TITLE: TREATMENT OF TEXTILE MATERIALS

DATE-ISSUED: January 4, 1972

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Whitfield; Robert E.	Pleasant Hill	CA		
Pittman; Allen G.	El Cerrito	CA		
Wasley; William L.	Berkeley	CA		

US-CL-CURRENT: 442/63, 427/393.2, 427/393.4, 428/378, 442/102, 442/106, 442/152

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KWMC</a>	<a href="#">Drawn Desc</a>
<a href="#">Image</a>											

14. Document ID: DE 3730694 A

L28: Entry 14 of 15

File: DWPI

Mar 31, 1988

DERWENT-ACC-NO: 1988-092799

DERWENT-WEEK: 198814

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Load control valve for exchange column tray aperture - has disc in legged triangular cage formed from flat sheet

INVENTOR: RODL, R

PRIORITY-DATA: 1986DE-3632391 (September 24, 1986), 1987DE-3730694 (September 12, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3730694 A	March 31, 1988		008	

INT-CL (IPC): B01D 3/00; B01D 53/18

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KWMC</a>	<a href="#">Drawn Desc</a>
<a href="#">Image</a>											

---

 15. Document ID: US 3632391 A

L28: Entry 15 of 15

File: DWPI

DERWENT-ACC-NO: 1972-09091T

DERWENT-WEEK: 197206

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Cross-linking polymers in situ in textiles by interfacial reaction - with cross-linking agent

PRIORITY-DATA: 1969US-0805379 (March 7, 1969), 1964US-0371150 (May 28, 1964), 1967US-0655695 (May 12, 1967)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US <u>3632391</u> A			000	

INT-CL (IPC): B44D 1/44

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Draw. Desc</a>
<a href="#">Image</a>											

---

[Generate Collection](#)[Print](#)

Terms	Documents
3632391	15

---

[Display Format:](#) [-](#) [Change Format](#)[Previous Page](#) [Next Page](#)